

FIG. 1

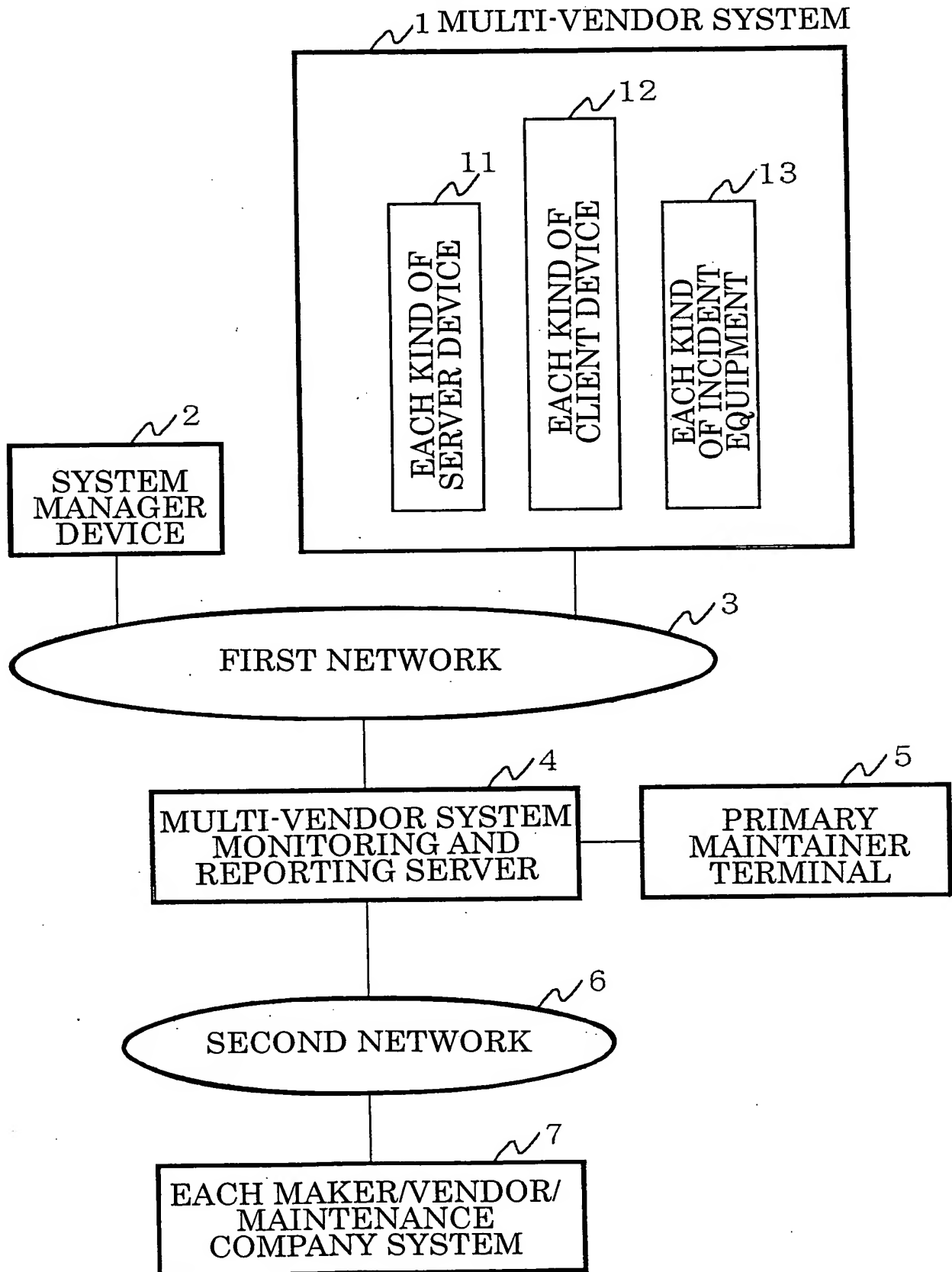
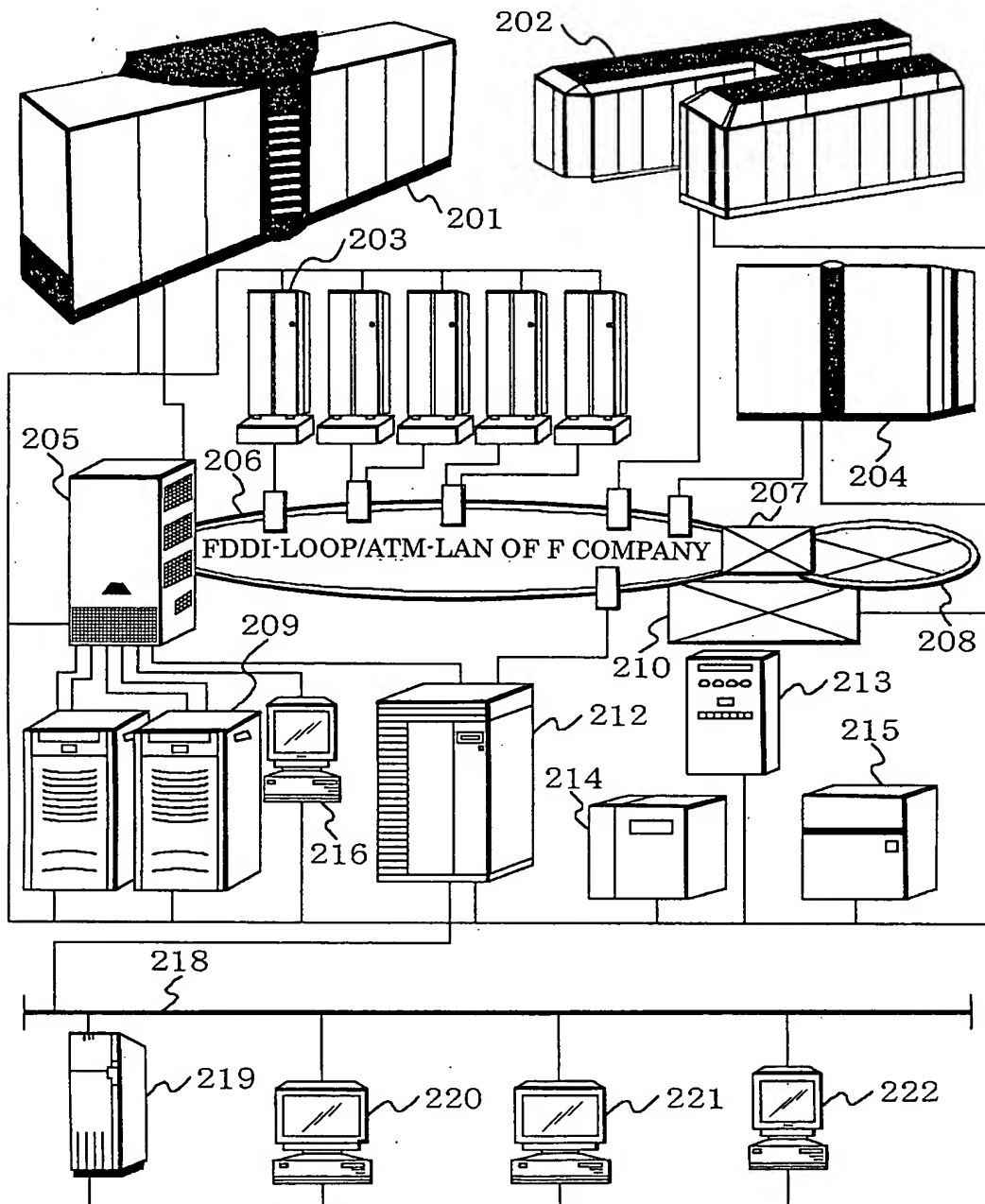


FIG.2



- 201: VECTOR COMMON MEMORY OF A COMPANY
- 202: VECTOR DISPERSION MEMORY OF B COMPANY
- 203: SCALAR DISPERSION MEMORY OF C COMPANY
- 204: SCALAR COMMON MEMORY OF D COMPANY
- 205: NETWORK DEVICE OF E COMPANY
- 207: ROUTER
- 208: WAN/INTERNET
- 209: FILE SERVER OF G COMPANY
- 210: END USER CLIENT
- 212: NETWORK SERVER OF H COMPANY
- 213: FACILITIES CONTROL BOARD OF I COMPANY
- 214: UNINTERRUPTIBLE POWER SUPPLY SOURCE OF J COMPANY
- 215: AIR CONDITIONER OF K COMPANY
- 216: NETWORK MONITORING SERVER
- 219: DATA BASE SERVER
- 220: SYSTEM CONSOLE
- 221: SYSTEM CONSOLE
- 221: SYSTEM OPERATION MONITORING SERVER
- 222: MAIL SERVER

FIG.3

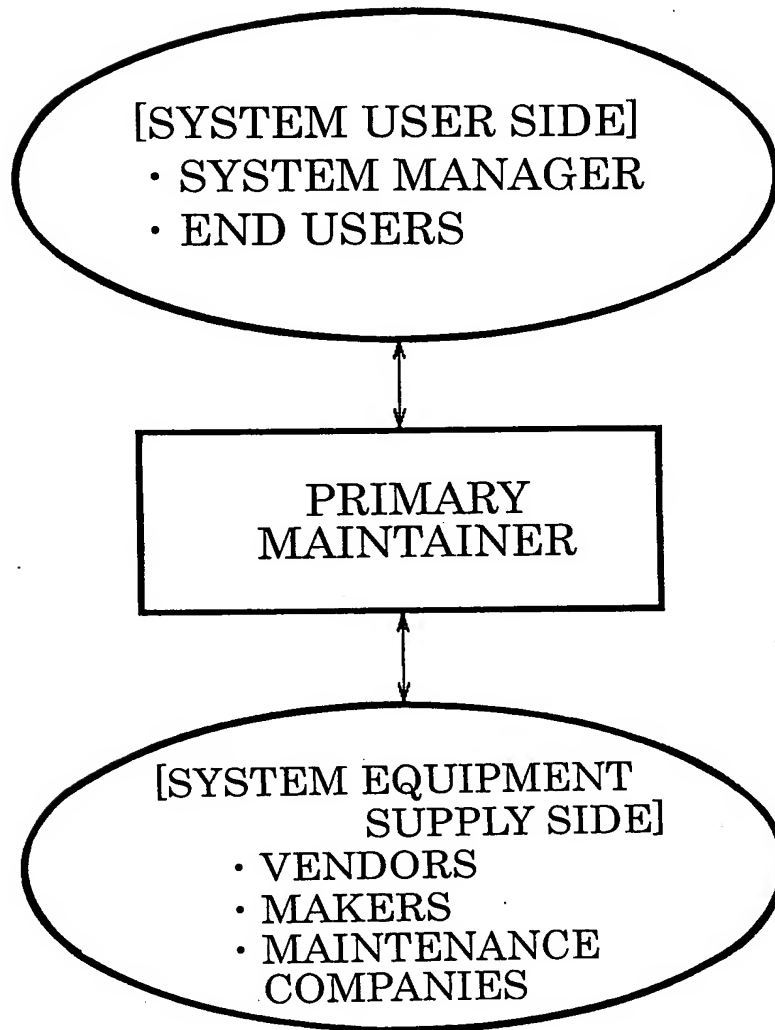


FIG.4

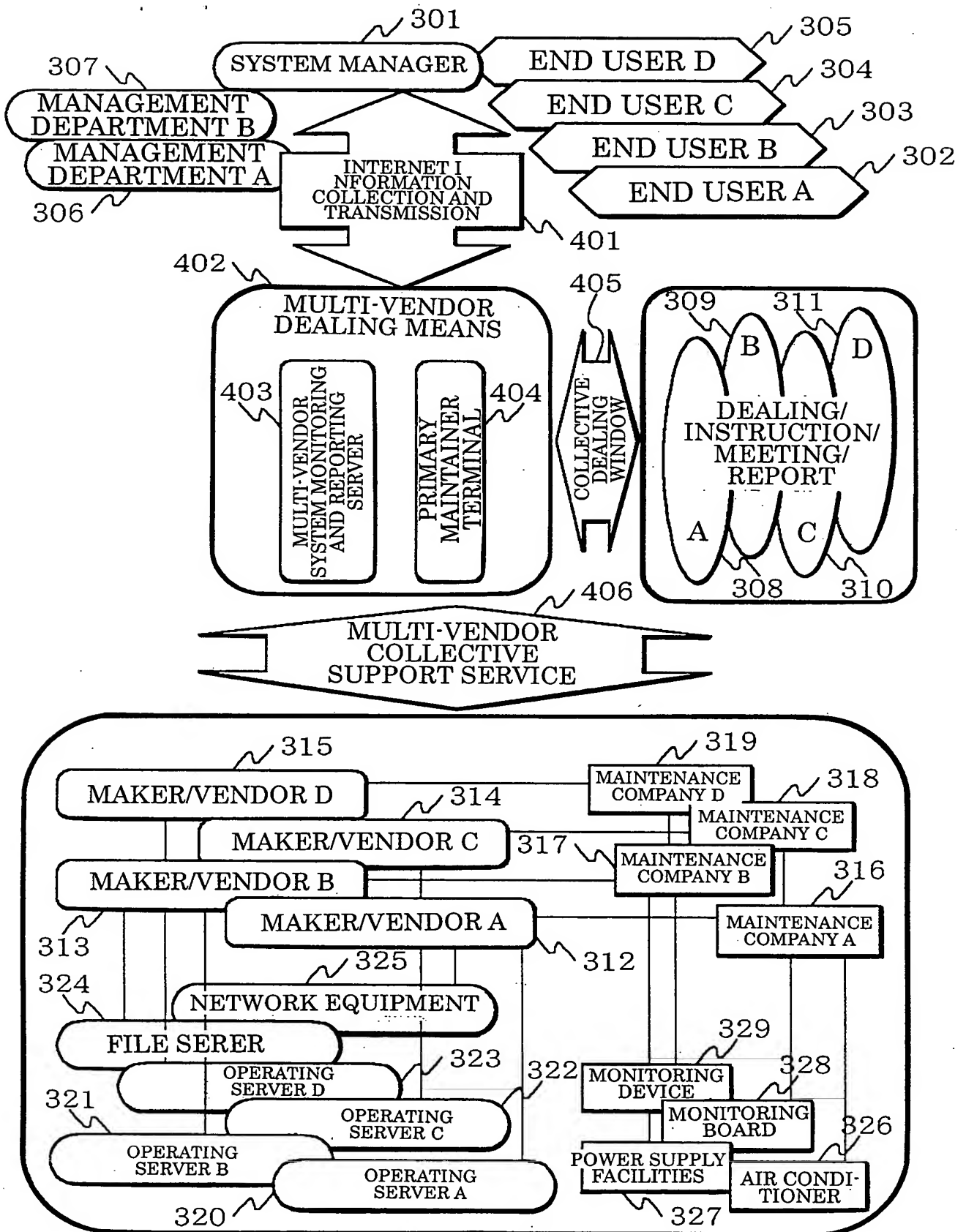
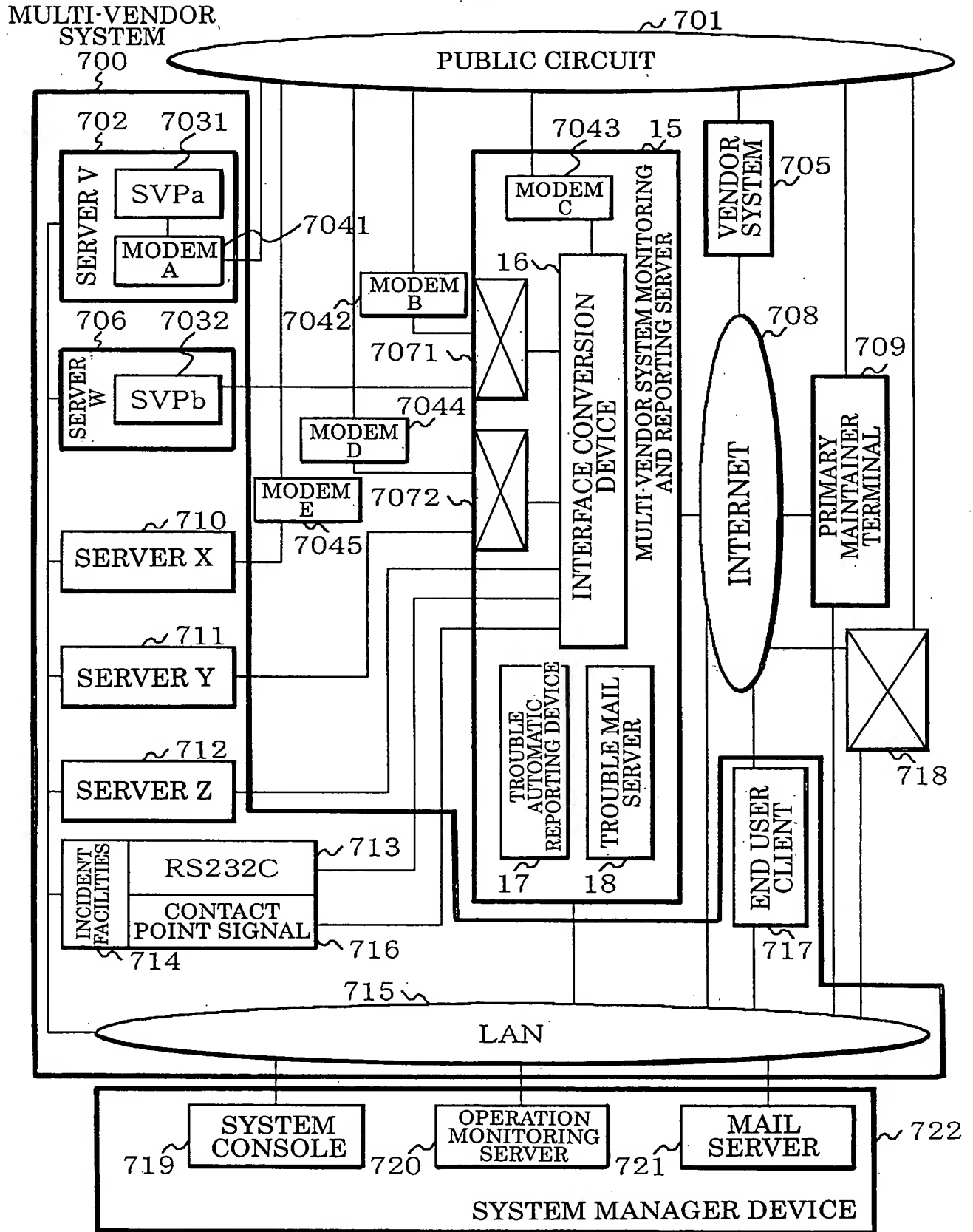


FIG.5



718: MAINTENANCE CENTER SYSTEM
 7071: RS SIGNAL SENSING PORTION A
 7072: RS SIGNAL SENSING PORTION B

FIG. 6

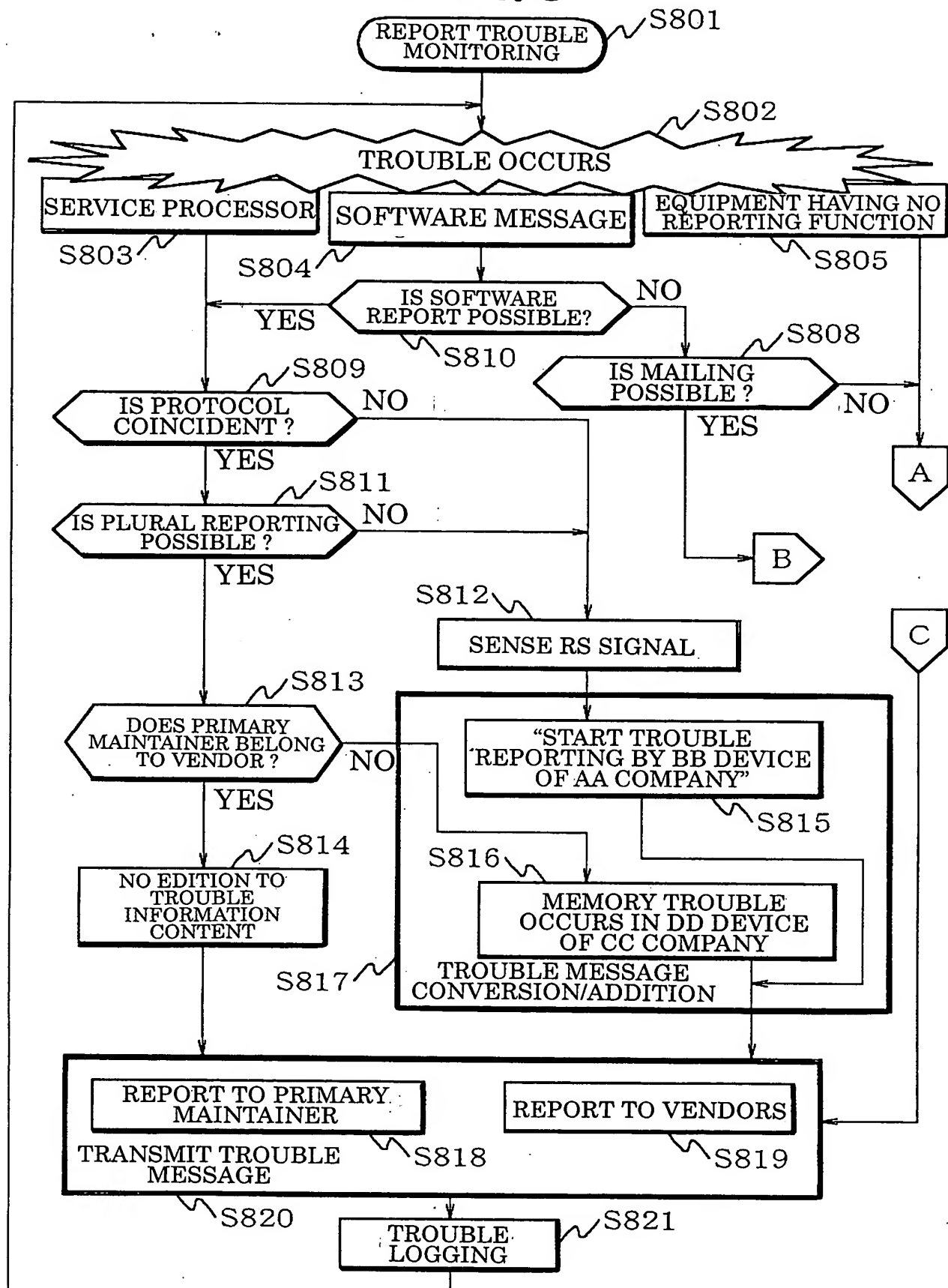


FIG. 7

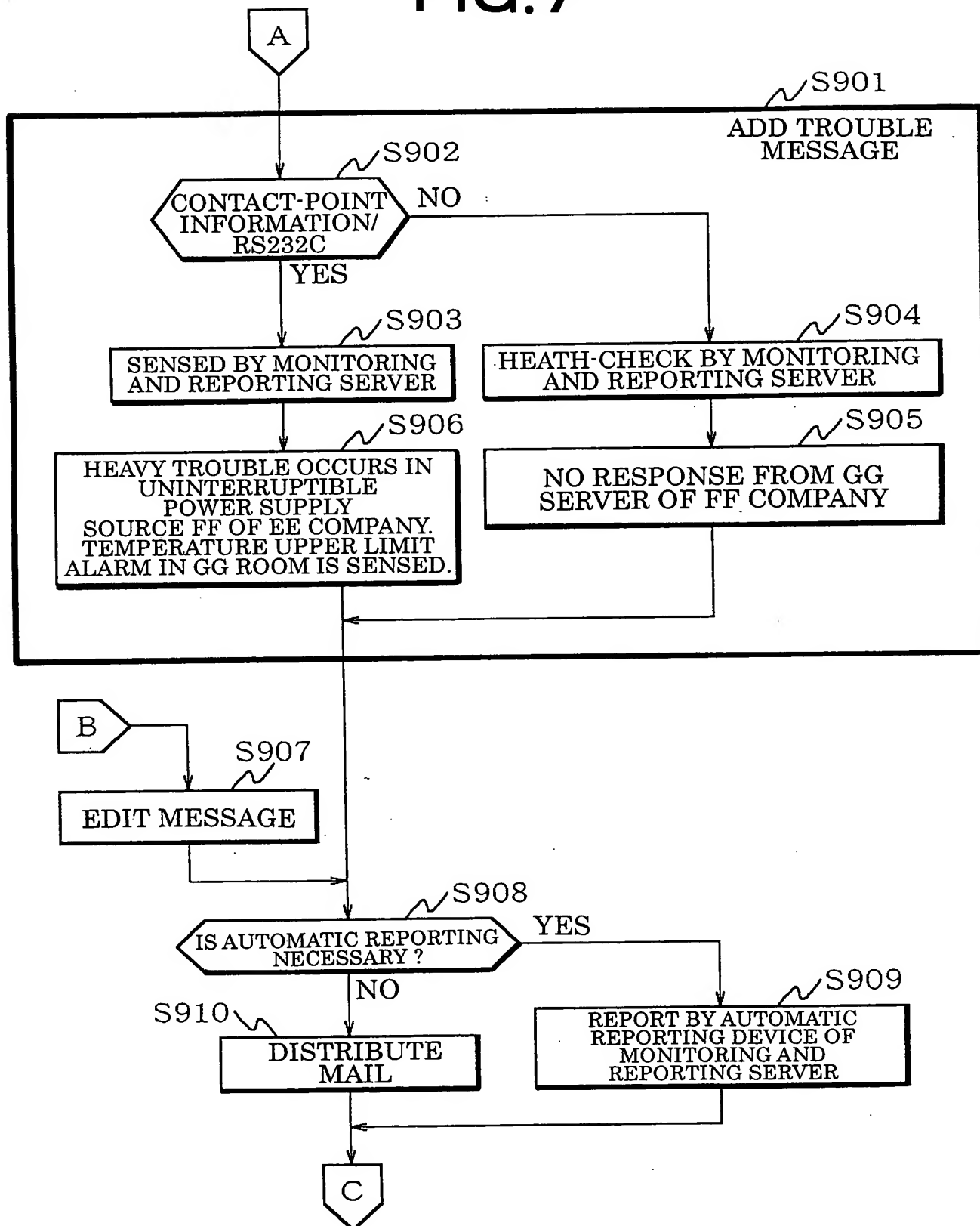


FIG.8

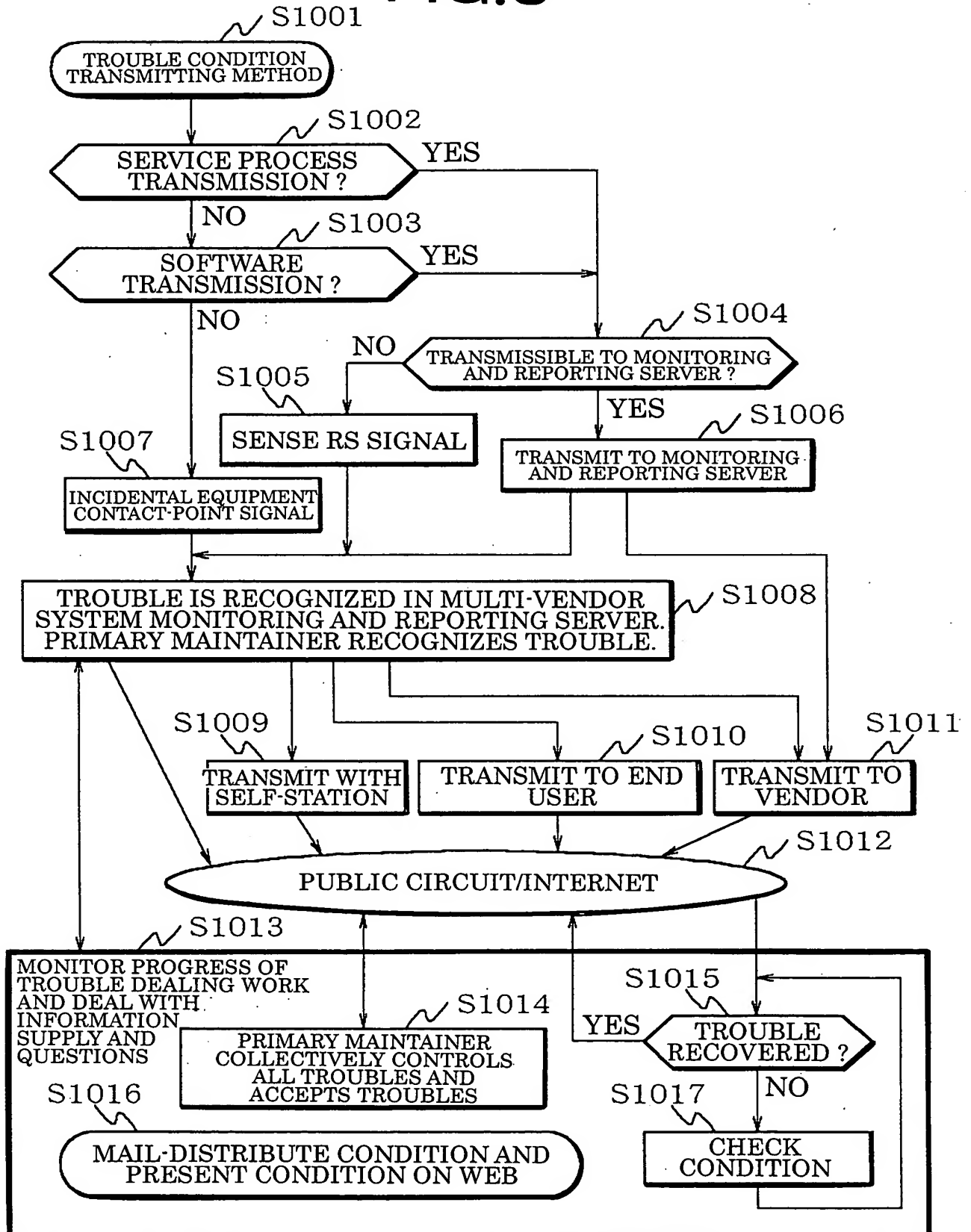


FIG.9 S1101

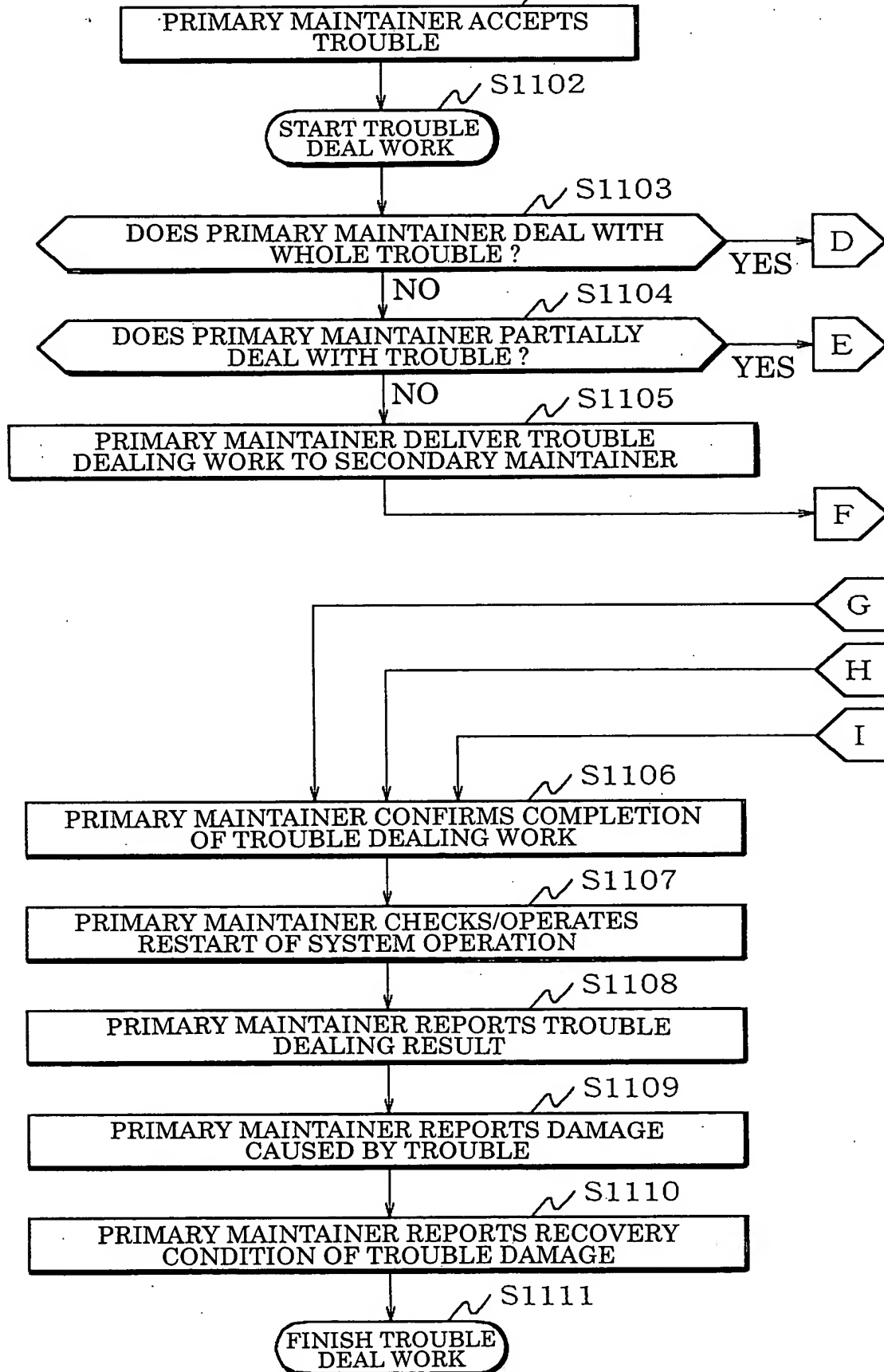


FIG.10

S1201

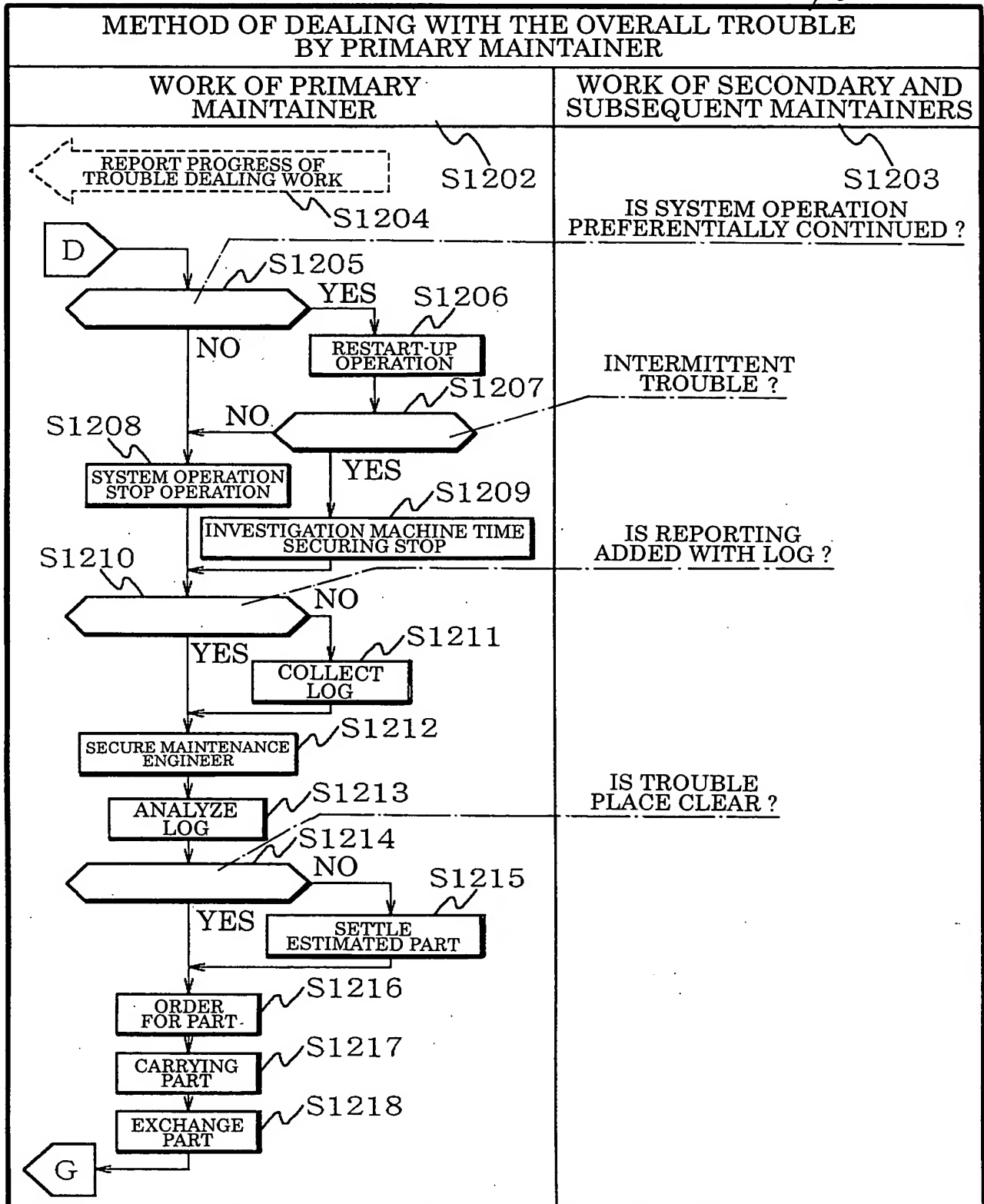


FIG. 11

S1301

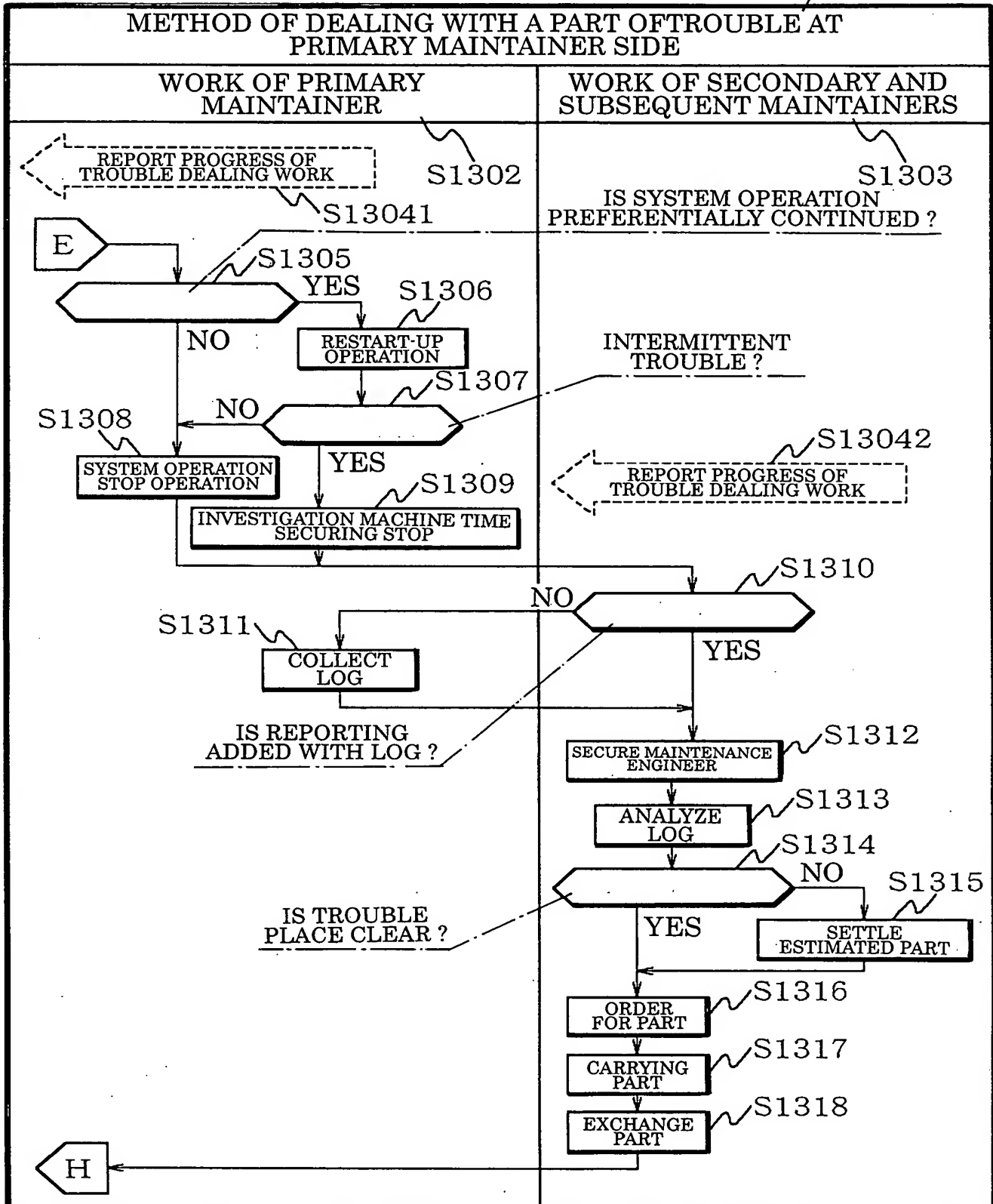
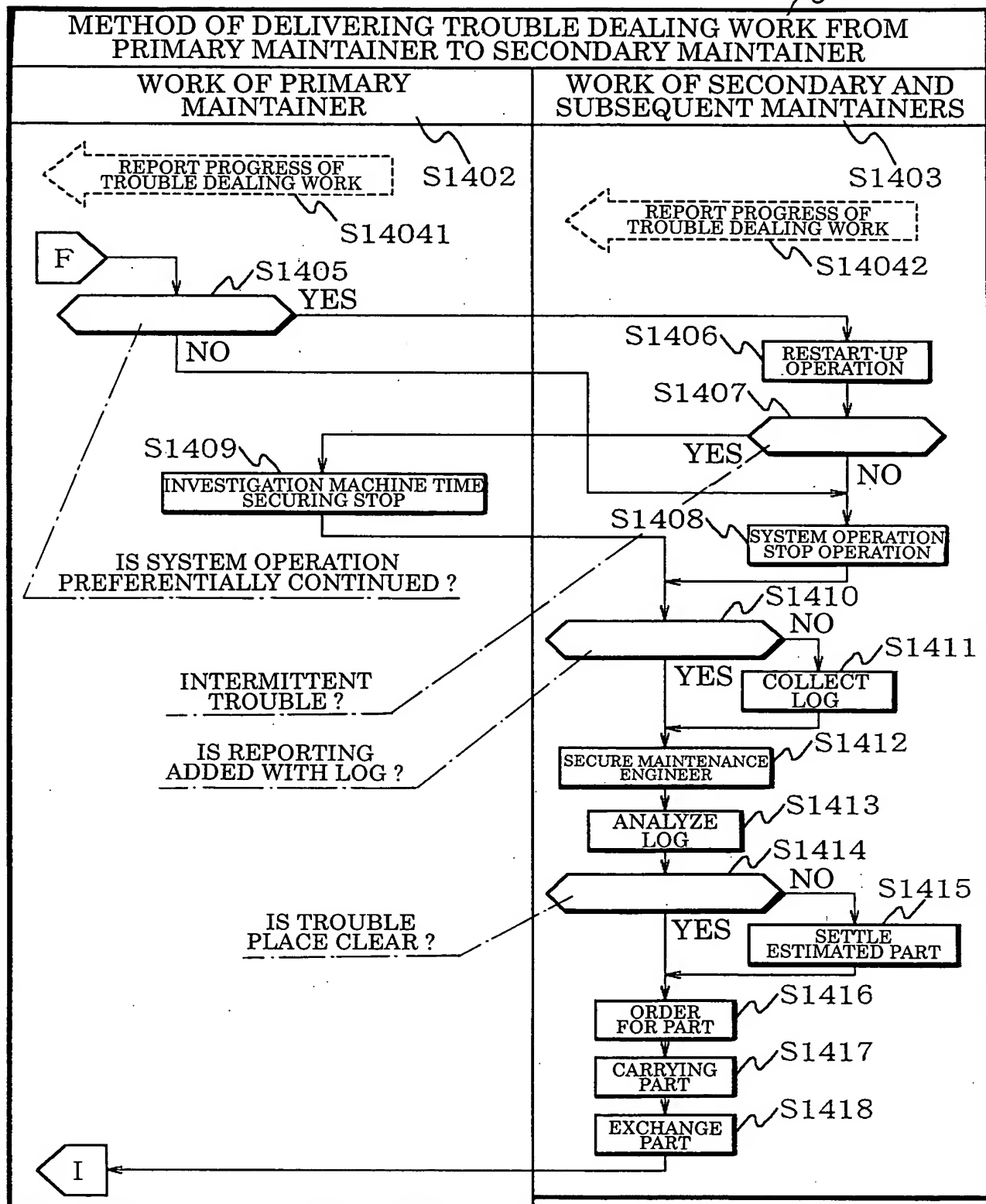


FIG. 12



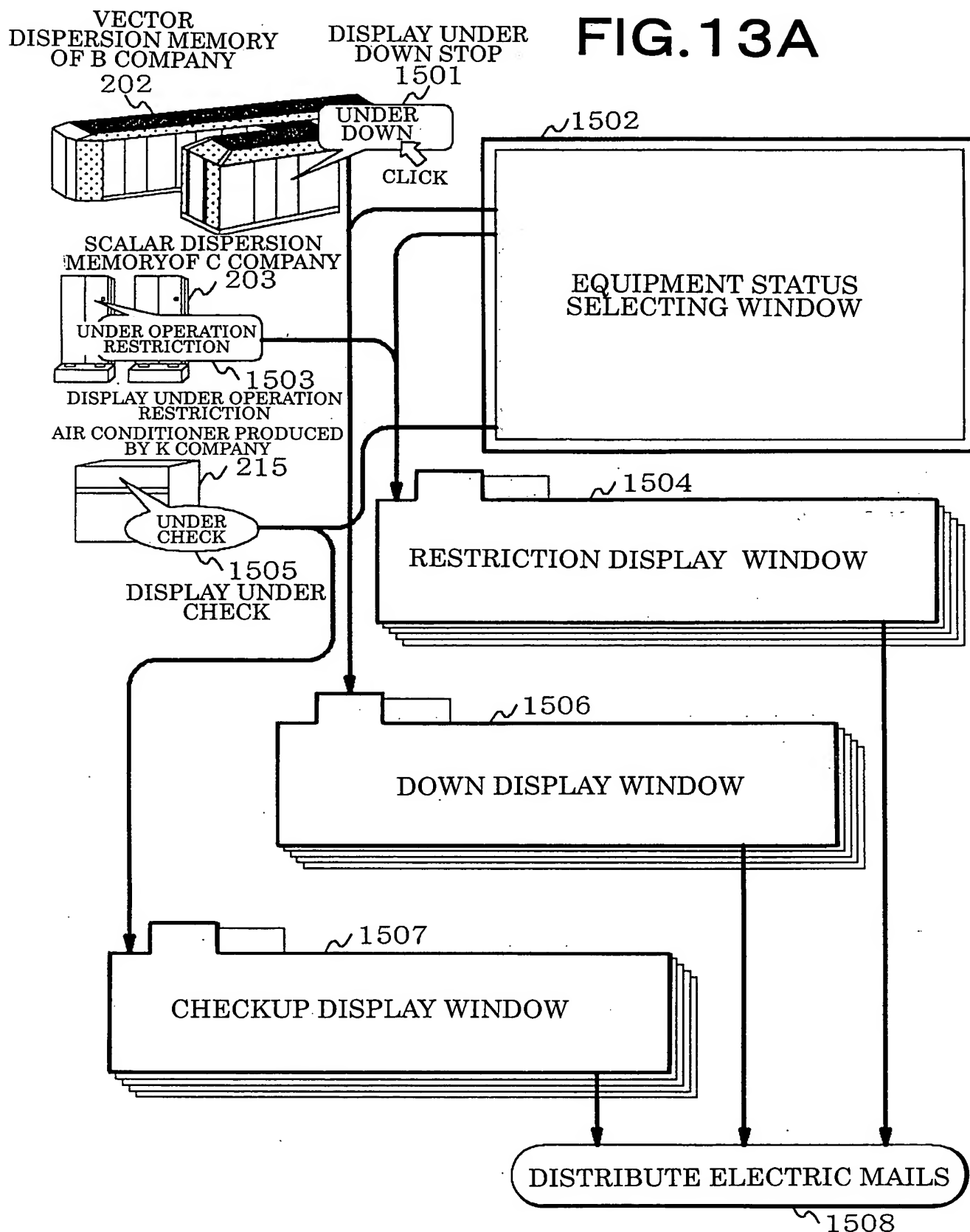


FIG. 13B

1502 EQUIPMENT STATUS

SELECTING, WINDOW

EQUIPMENT NAME	STATUS	VENDOR/MAKER/TYPE DISPLAY
AVSM	OK	101. VECTOR COMMON MEMORY OF A COMPANY
BVPM	DOWN	102. VECTOR DISPERSION MEMORY OF B COMPANY
CSPM	RESTRICTION	103. SCALAR DISPERSION MEMORY OF C COMPANY
DSSM	OK	104. SCALAR COMMON MEMORY OF D COMPANY
ENET	OK	105. NETWORK DEVICE OF E COMPANY
FLAN	OK	106. LOOP/ATM LAN OF F COMPANY
GFILE	OK	109. FILE SERVER OF G COMPANY
HNWS	OK	202. NETWORK SERVER OF H COMPANY
ICTL	OK	203. FACILITIES CONTROL BOARD OF I COMPANY
JILPS	OK	204. UNINTERRUPTIBLE POWER SUPPLY SOURCE OF J COMPANY
KAIR	CHECKUP	205. AIR CONDITIONER OF K COMPANY

FIG. 13C

S1504 RESTRICTION DISPLAY WINDOW

SUMMARY , DETAILS

SYSTEM EQUIPMENT STATUS DISPLAY 2002 YEAR			
EQUIPMENT NAME	STATUS	START DATE AND HOUR	RELEASE DATA AND HOUR
CSPM	RESTRICTION	8:45 ON JULY 25	3:50 ON AUGUST 2
EVENT: CS PM NODE#35 CLOSED OPERATION BECAUSE OF SYSTEM RENEWAL OPERATION			

FIG. 13D

S1506 DOWN DISPLAY WINDOW

SUMMARY , DETAILS

SYSTEM EQUIPMENT STATUS DISPLAY 2002 YEAR			
EQUIPMENT NAME	STATUS	START DATE AND HOUR	RELEASE DATA AND HOUR
BVPM	DOWN	21:35 ON JULY 30	3:50 ON 31ST
EVENT: HARDWARE TROUBLE, MAIN MEMORY CHECK OCCURRENCE/PART EXCHANGE			

FIG. 13E

S1507 CHECKUP DISPLAY WINDOW

SUMMARY , DETAILS

SYSTEM EQUIPMENT STATUS DISPLAY 2002 YEAR			
EQUIPMENT NAME	STATUS	START DATE AND HOUR	RELEASE DATA AND HOUR
KAIR	CHECKUP	9:00 ON JULY 30	17:00 ON JULY 30
CONTENT: PERIODIC NORMAL CHECKUP OPERATION STOP			

FIG.14A

1601 TROUBLE-RELATING REPORT/DISTRIBUTION MESSAGES
 BASED ON ELECTRONIC MAILS

TROUBLE RELATING MESSAGES	START TROUBLE REPORT FROM BB DEVICE OF AA COMPANY
	MEMORY TROUBLE OCCURS IN DD DEVICE OF CC COMPANY
	HEAVY TROUBLE OCCURS IN UNINTERRUPTIBLE POWER SUPPLY SOURCE FF OF EE COMPANY
	TEMPERATURE UPPER LIMIT ALARM IN GG ROOM IS SENSED
	NO RESPONSE FROM H SERVER OF HH COMPANY
	KK ARRAY DISC DEVICE OF JJ COMPANY IS DEGENERATED
	AIR CONDITIONER OF MM MACHINE OF LL COMPANY IS BROKEN DOWN
	POWER SUPPLY IS JUST CUT OFF. PLEASE INFORM EFFECT TO EACH MACHINE

FIG.14B

1602 .. RESTRICTION-RELATING GUIDANCE/DISTRIBUTION
 MESSAGES BASED ON ELECTRONIC MAILS

RESTRICTIO N RELATING MESSAGES	CSPMNODE#35 IS UNUSABLE BECAUSE OF SYSTEM RENEWAL WORK
	COMMUNICATION WITH EXTERNAL IS IMPOSSIBLE TO BECAUSE OF NETWORK RENEWAL WORK
	TEMPORARILY UNUSABLE BECAUSE OF NN SERVER DEVICE RENEWAL
	PLEASE LOG-IN VIA QQ SERVER BECAUSE OF PP SERVER INVESTIGATION STOP
	RR FILE OVERFLOW OCCURS, AND PLEASE DELETE UNNECESSARY FILE OF SS OPERATION
	PLEASE DO NOT EXECUTE EDITOR TO LARGE-CAPACITANCE FILE IN TT SERVER
	ACCESS ABNORMALITY TO UU SERVER IS RECOVERED BY DEVICE REBOOT
	COMMERCIAL POWER BYPASS OPERATION IS STARTED BECAUSE OF TROUBLE OF VV INTERRUPTIBLE POWER SUPPLY SOURCE

FIG. 14C

1603 CHECKUP RELATING SCHEDULE/DISTRIBUTION MESSAGES
 BASED ON ELECTRONIC MAILS

CHECKUP RELATING MESSAGES	PERIOD CHECKUP STOP: PERIODIC CHECKUP OF ww MONTH IS ON xx DAY (y-DAY IN THE WEEK)
	TROUBLE OCCURS UNDER PERIODIC CHECKUP, AND CHECKUP COMPLETION TIME IS EXTENDED FROM SCHEDULED TIME BY TWO HOURS
	PLEASE CHECK FNS FUNCTION AFTER CHECKUP OF zz FILE SERVER HAS BEEN COMPLETED
	SPECIAL CHECKUP: SYSTEM OPERATION WILL BE TEMPORARILY STOPPED THIS SUNDAY BECAUSE OF HARDWARE IMPROVEMENT
	NEW QUEUEING IS SUPPRESSED AND ALL JOBS ARE SET TO FINISHED STATE BECAUSE OF PERIODIC CHECKUP STOP
	CORRECTION PATCH IS APPLIED TO DEFECT OF bb SERVER IN TODAY'S CHECKUP
	OUTAGE ANNOUNCEMENT TO ALL SITES: ALL-DAY OUTAGE FOR CHECKUP OF ELECTRICAL FACILITIES ON dd DAY OF cc MONTH
	DISTRIBUTION BOARD WORK WILL BE EXECUTED ON PERIODIC CHECKUP DATE, AND POWER SUPPLY OF ee ROOM SYSTEM WILL BE CUT OFF.

FIG. 14D

S1604 .. WORK COMPLETION RELATING NOTIFICATION/DISTRIBUTION
 MESSAGES BASED ON ELECTRONIC MAILS

WORK COMPLETION RELATING MESSAGES	TROUBLE OF BB DEVICE OF AA COMPANY IS RECOVERED.
	DEALING OF MEMORY TROUBLE IN DD DEVICE OF CC COMPANY IS COMPLETED, AND SYSTEM OPERATION IS RESTARTED.
	REPAIR OF HEAVY TROUBLE IN UNINTERRUPTIBLE POWER SUPPLY SOURCE FF OF EE COMPANY IS COMPLETED.
	PERMANENT DEALING WITH ERROR OUTPUT CASE IN ff SYSTEM IS COMPLETED TODAY
	PERIODIC CHECKUP IS COMPLETED AS SCHEDULED, AND SYSTEM OPERATION IS RESTARTED AT hh:mm
	ii FILE IN gg SYSTEM IS CURRENTLY BEING RECOVERED, AND PLEASE WAIT FOR A MOMENT
	THREE BATCH JOBS ARE RESTARTED BECAUSE OF ii SYSTEM DOWN
	REPAYMENT OF CHARGE OF RESTART JOB IS COMPLETED

FIG.15

SYSTEM OPERATION RELATING REPORT CONTENT WINDOW DISPLAY

1701

1705 YYYYY YEAR, SYSTEM TROUBLE NUMBER/
TROUBLE RATE GRAPH

1704 YYYYY YEAR, SYSTEM JOB NUMBER/
QUEUEING GRAPH

1703 YYYYY YEAR, CUP/MEMORY/FILE USAGE
RATE GRAPH

1702 YYYYY YEAR MM MONTH, SYSTEM
OPERATING TIME LIST

ITEM	EQUIPMENT NAME	POWER SUPPLY TIME	CHECKUP TIME	TROUBLE TIME	OPERATING TIME
1	AVSM	744H	10H	00H	734H
2	BVPM	744H	10H	00H	734H
3	CSPM	744H	10H	05H	729H
4	DSSM	700H	10H	10H	680H
8	ENET	744H	10H	00H	744H
9	FLAN	744H	10H	00H	744H
10	GFILE	744H	10H	00H	744H
11	HNWS	744H	10H	00H	744H
12	ICTL	744H	00H	00H	744H
13	JUPS	744H	00H	00H	744H
14	KAIR	744H	00H	00H	744H

FIG. 16

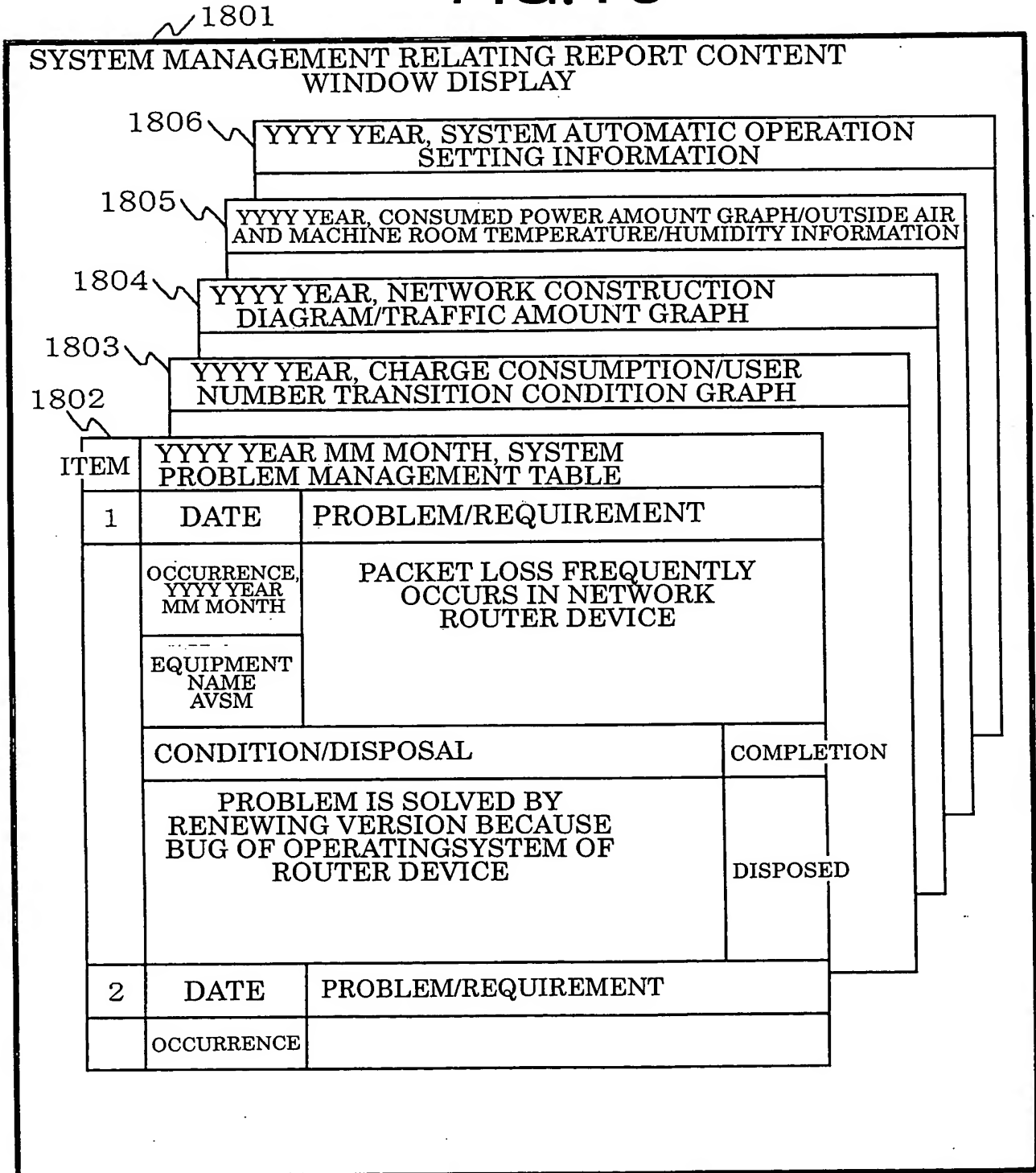


FIG.17

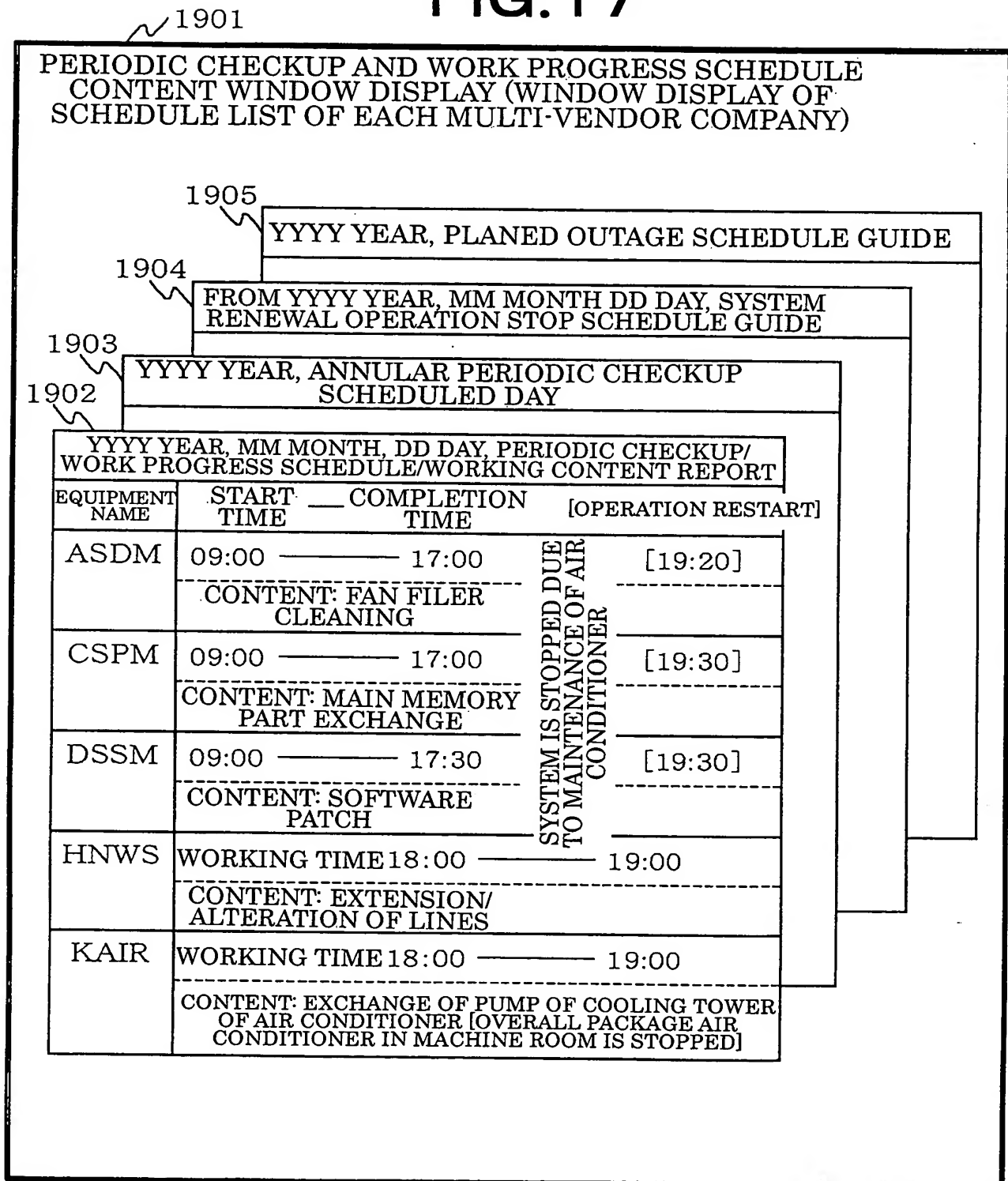


FIG.18

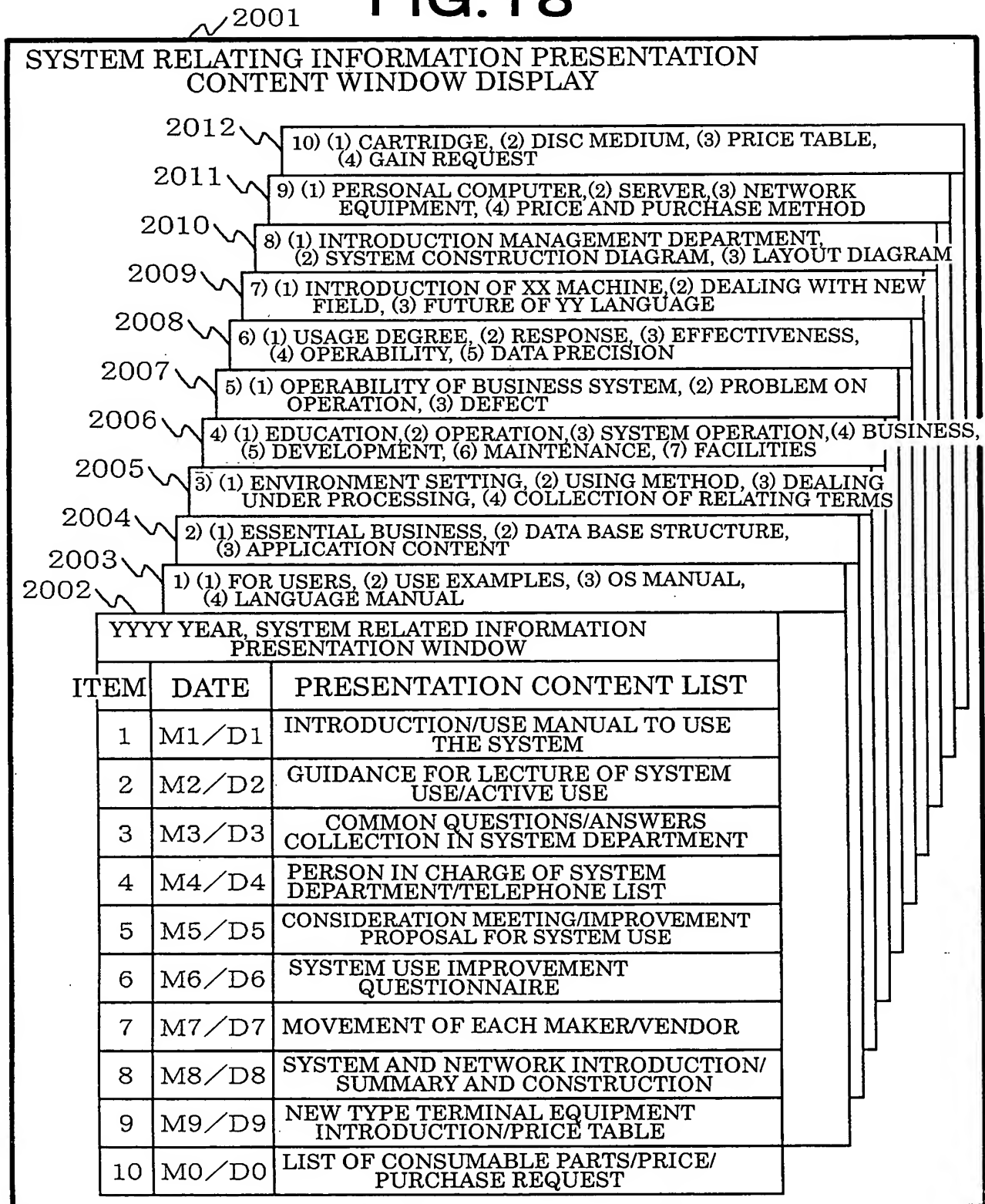


FIG. 19

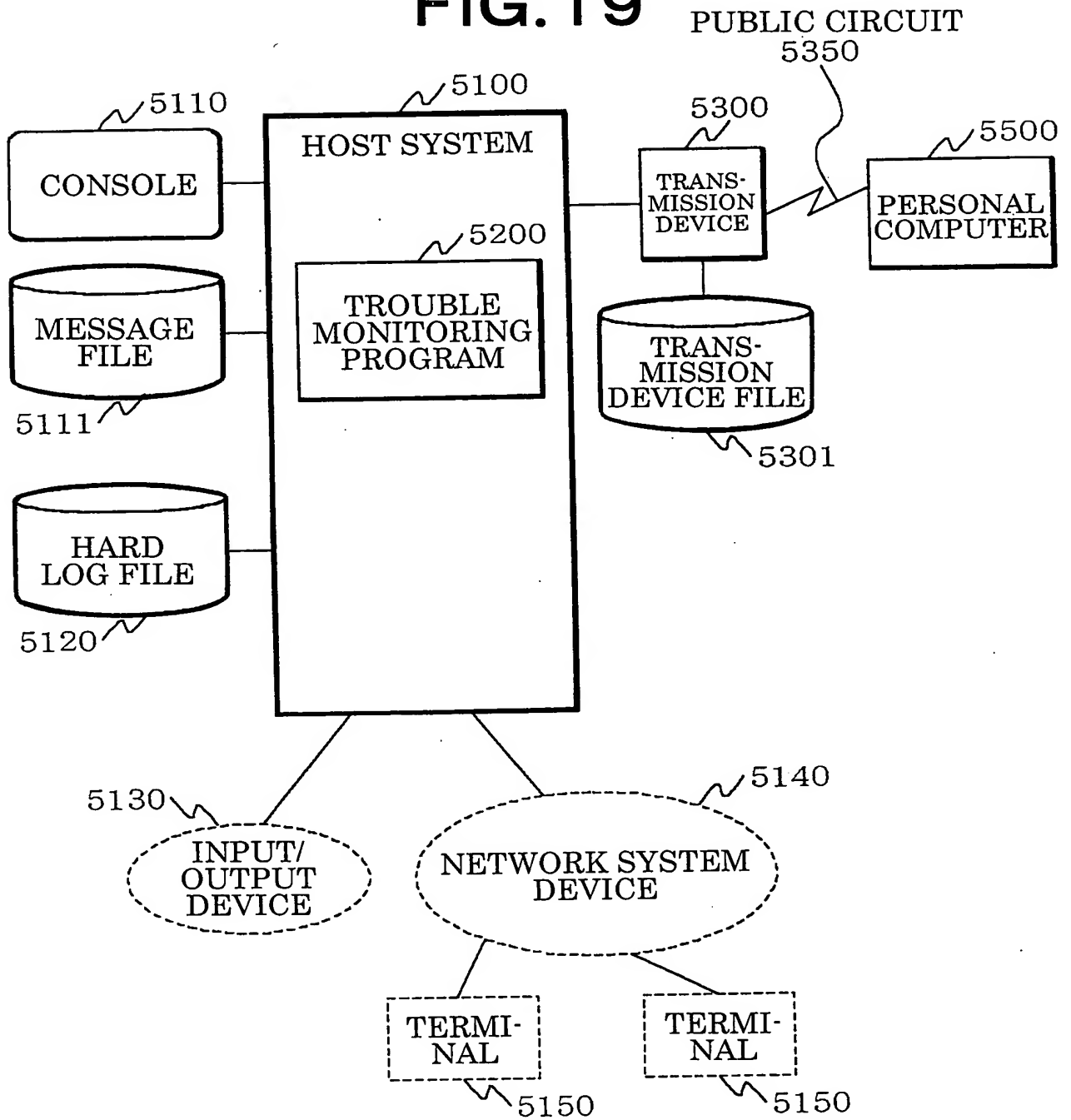


FIG.20

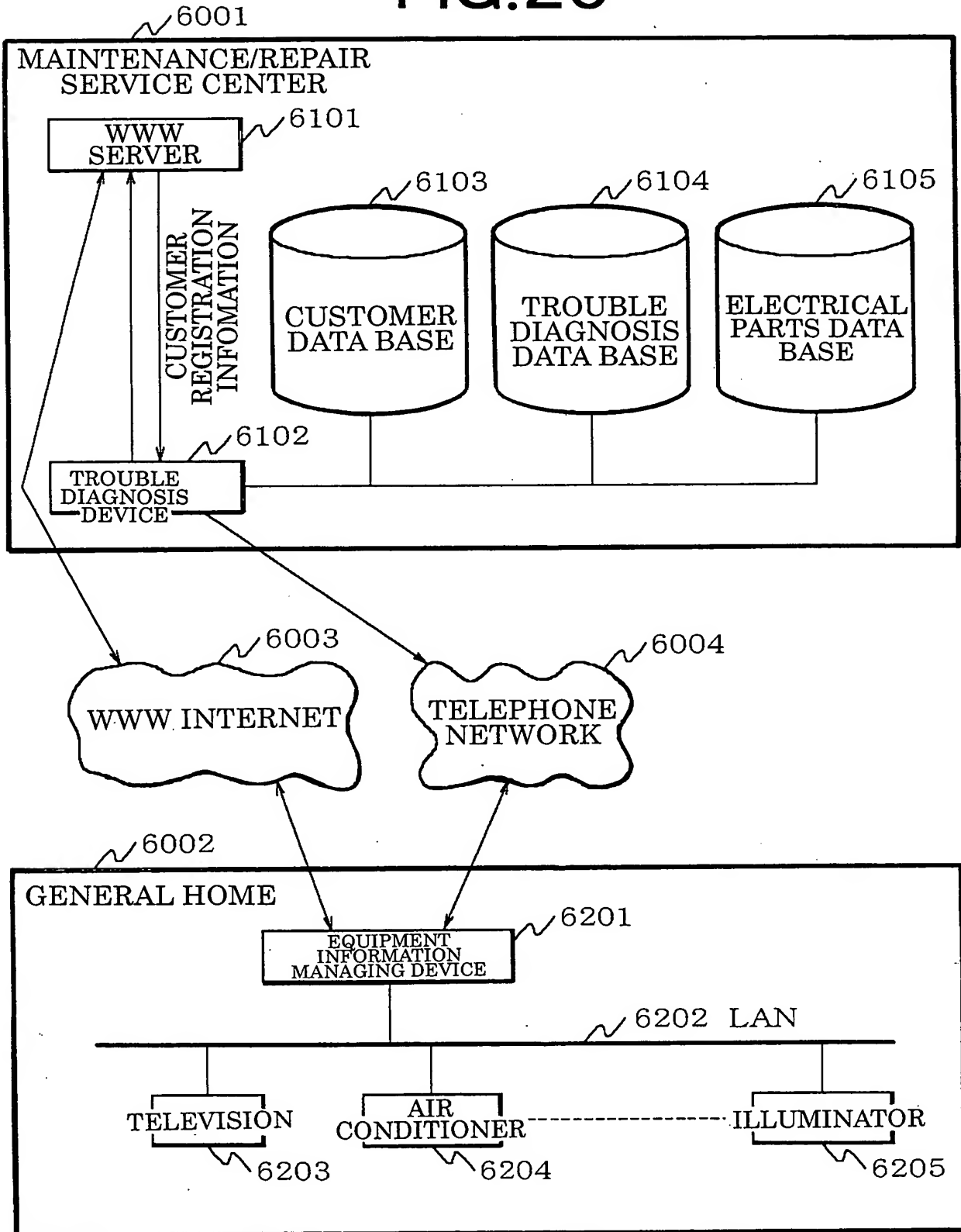


FIG.21

